

April 2017 Measure List Changes

Commercial

Heat Pump Conversions and Upgrades (IM Sections 7.4.3 and 7.4.4): Removes reference to CEE Tier 1 or Tier 2 in key characteristics 3 and 4. BPA has developed its own heat pump specification.

Residential

Thermostatic Shower Valves (10.6.2): Clarifying that this measure is RTF approved in column AL.

HPWH (10.6.3): These changes recognize that BPA allows heat pump water heaters in new and existing construction. Matches the “New or Existing” language already in column R (Vintage) in key characteristic 1 and measure name.

Manufactured DHP (10.8.1): If DHP is installed in a non-NEEM manufactured home the existing DHP measures in Manufactured Homes can be used. Changes made to key characteristics, measure name, and vintage.

Heat Pump Upgrades (10.8.2.1): Correcting the measure name to reflect the baseline in Key Characteristics 3 “Baseline: Any Electric or Non-Electric Heating System”.

Commissioning Controls & Sizing (10.8.2.1): Correcting vintage in Manufactured Homes to “Existing” from “New or Existing”. Heat pumps are never installed at the factory, but at the site which is considered an existing manufactured home. Changing Key Characteristics 1 to “Single Family – New or Existing” from “Single Family – Existing” to match what was already in the Vintage column. The stand alone CC&S measure is available in new single family homes.

Duct Sealing (10.8.2.3): Correcting vintage column to “Existing” from “New or Existing”. Duct sealing is only available in existing homes.

NEEM DHP (10.10.1): These changes allow a NEEM home to be built with a ductless heat pump using the savings for the current air source heat pump measure. Changing key characteristic 4, measure name, and fuel type to read “Air Source or Ductless Heat Pump”.

Energy Star/Built Green Homes (10.10.3): The reference numbers got swapped in the October measure list for 6 of the Energy Star/Built Green measures. These corrections make it so that the reference numbers and heating and cooling zone combinations match the previous October 2015 measure list by reference number and what was notice in April 2016.

Low-E Windows (10.11.3): Clarifying that this measure is RTF Approved and adding RTF measure information in columns AL – AO.

New Measures

Commercial

VFDs: This measure is for variable frequency drives on air handling units.

Residential

Single Family Performance Path: This measure will be used for the new single family new construction Performance Path program.

DHP New Construction: These are measures for DHPs in new single family homes, but not in Washington where code does not allow a zonal home to be built.

Montana House: It was brought to our attention that the measure list does not contain Montana House measures for Heating Zone 2 and Heating Zone 3, Cooling Zone 2. The measure is not available in Heating Zone 1 and there are no utilities in Heating Zone 3, Cooling Zone 1.

Line Voltage Thermostats: Adding three new measures for “Multifamily – New or Existing” This measure is approved by RTF in multifamily.

Smart Thermostats: These are new measures for residential Smart Thermostats.

Advanced Power Strips – PC Interacting: These are power strips that interact with desktop PCs.

GSHP compressor only upgrades: These two measures are to be used when only the compressor portion of a ground source heat pump is being replaced